

UNITED STATES PLANT PATENT APPLICATION

of

L. PERNILLE AND MOGENS N. OLESEN

for

COMPACT FLORIBUNDA ROSE PLANT NAMED

'POULac011'

SUMMARY OF THE INVENTION

BOTANICAL CLASSIFICATION

*Rosa hybrida*

VARIETY DENOMINATION

5

'POULac011'

10 The present invention constitutes a new and distinct  
variety of garden rose plant which originated from a  
controlled crossing between a unnamed female parent plant  
and the male parent 'POULmax', described and illustrated  
in U.S. Plant Patent Application No. 10/192,746 dated July  
9, 2002. The two parents were crossed during the summer of  
1992 and the resulting seeds were planted in a controlled  
environment in Fredensborg, Denmark. The new variety is  
15 named 'POULac011'.

The new variety may be distinguished from its  
unnamed female seed parent, by the following  
characteristic:

20 While the seed parent has dark red flowers,  
'Poulac011' has medium red flowers.

The new variety may be distinguished from its male  
pollen parent, 'POULmax' by the following combination of  
characteristics:

25 1. While the pollen parent 'POULmax' has a

flower bud color of Red Group 46C to 47D  
the same characteristic of 'POULac011' is  
Red Group 53D.

2. While the pollen parent 'POULmax' has a  
petal count of 18 to 22 petals. 'POULac011'  
has 32 petals.
3. While the pollen parent 'POULmax' has a  
general tonality of Red Group 43C,  
'POULac011' is Red Group 52A.

The objective of the hybridization of this rose  
variety was to create a new and distinct variety for  
garden use with unique qualities, such as:

1. Uniform and abundant medium red flowers;
2. Flower color which does not fade;
3. Vigorous, but compact growth when  
propagated both as a budded rose and on  
its own roots;
4. Disease resistance;

This combination of qualities is not present in  
previously available commercial cultivars of this type,  
known to the inventors, and distinguish 'POULac011' from  
all other varieties of which we are aware.

As part of their rose development program, L.

Pernille Olesen and Mogens N. Olesen germinated the seeds

from the aforementioned hybridization during winter of 1992 and conducted evaluations on the resulting seedlings in a controlled environment in Fredensborg, Denmark.

5 'POULac011' was selected in the spring 1993 by the inventors as a single plant from the progeny of the aforementioned hybridization.

Asexual reproduction of 'POULac011' by traditional budding and rooted cuttings was first done by L. Pernille and Mogens N. Olesen in their nursery in Fredensborg, 10 Denmark in July, 1993. This initial and other subsequent asexual propagations conducted in controlled environments have demonstrated that the characteristics of 'POULac011' are true to type and are transmitted from one generation to the next.

15

#### **BRIEF DESCRIPTION OF THE DRAWING**

The accompanying color illustration shows as true as is reasonably possible to obtain in color photographs of 20 this type, the typical characteristics of the buds, flowers, leaves, and stems, of 'POULac011'. Specifically illustrated in the drawing: SHEET 1:

Fig 1.1; Open flower, and stem showing cluster of open flowers, branching, and the 25 attachment of leaves, buds, and

peduncles;

Fig 1.2; Flower buds at various stages of  
opening.

Specifically illustrated in SHEET 2:

5 Fig 2.1; Sepals, receptacle, and peduncle;

Fig 2.2; Mature leaf;

Fig 2.3; Flower petals, detached;

Fig 2.4; Juvenile and mature bare stem  
exhibiting thorns;

10 Fig 2.5; Juvenile leaf exhibiting anthocyanin  
at leaf margins, veins, and rachis.

#### DETAILED DESCRIPTION OF THE VARIETY

15 The following is a description of 'POULac011', as  
observed in its growth in a field nursery in Jackson  
County, Oregon. Observed plants are 3 years of age. Plants  
were grown on *Rosa multiflora* rootstock. Color references  
are made using the Royal Horticultural Society (London,  
20 England) Colour Chart, 1995, except where common terms of  
color are used.

For a comparison, several physical characteristics  
of the rose variety 'POULac006', a rose variety from the  
same inventors described and illustrated in U.S. Plant  
25 Patent Application No. 10/342,702 dated January 14, 2003,

are compared to 'POULac011' in Chart 1.

CHART 1

	'POULac011'	'POULac006'
General tonality	Red Group 52A to 52B with light intonations of Red-Purple Group 67B	Red Group 40A
Petalage	40 petals	35 to 40 petals
Flower diameter	50 mm	60 mm

Parents:

Female Seed Parent: Unnamed plant.

Male Pollen Parent: 'POULmax'.

FLOWER AND FLOWER BUD

Blooming habit: Continuous.

Flower bud:

Size: Upon opening, 25 mm in length from base of receptacle to end of bud.

Bud diameter is 12 mm on average.

Bud form: Pointed ovoid with slightly broadened base.

Bud color: As sepals unfold, petals are

Red Group 53D.

Sepals:

Upper Surface:

Color: Yellow-Green Group 146C.

Pubescence: Surfaces of sepals

5 are moderately pubescent.

Lower Surface:

Color: Yellow-Green Group 144A.

Anthocyanic pigments the

color of Greyed-Purple

10 Group 183A observed.

Sepal Shape: Sepal apex is cirrhose.

Base is flat at union with  
receptacle.

Sepal Margin: Margins have no

15 foliaceous appendages on  
three of the five sepals.

Stipitate glands medium to  
few quantity.

Size: 30 mm (l) x 7 mm (w).

20 Receptacle:

Surface Texture:

Smooth and glabrous.

Shape: Urn-shaped.

Size: 10 mm (h) x 7 mm (w).

25 Color: Yellow-Green Group 144A.

Strong intonations of  
anthocyanic pigments the  
color of Greyed-Purple  
Group 183A observed.

5                    Peduncle:

                    Surface: Smooth with stipitate  
                                 glands.

                    Length: 40 to 60 mm average  
                                 length.

10                   Color: Yellow-Green Group 144B.  
                         Anthocyanic pigments the  
                         color of Greyed-Red Group  
                         181A to Greyed-Purple  
                         Group 187C observed.

15                   Strength: Strong.

                    Borne: In clusters of 7 flower  
                                 buds per stem.

**Flower bloom:**

20                   Fragrance: Light floral scent.

                    Duration: The blooms have a duration  
                                 on the plant of  
                                 approximately 7 to 10  
                                 days. Petals fall cleanly

25                   away from plant after



flowers fully mature.

5                   Size:                   Flower diameter is 50 mm when  
open. Flower depth is 23 mm on  
average.

Form:

10                   General: Flower shape is a shallow cup  
with slightly overlapping  
petals.  
Shape of flower when viewed from the side:  
Upon opening, upper part: Flat.  
Upon opening, lower part: Concave.  
Open flower, upper part: Flat.  
Open flower, lower part: Concave.

15                   Petalage:           40 petals under normal conditions  
with 6 petaloids.

Flower Color:

20                   Upon opening, petals:  
Outermost petals:  
Outer side:       Red Group 52A with  
                  intonations of Red-Purple  
                  Group 67B.  
Inner Side:       Red Group 52A to 52B.  
25                   Innermost petals:

Outer side: Red Group 52A with  
intonations of Red-Purple  
Group 67B.

Inner Side: Red Group 52A to 52B.

5 Upon opening, basal petal spots:

Outermost petals:

Outer side: White Group 155A with  
basal point Yellow Group  
5C.

10 Inner Side: White Group 155A with  
basal point Yellow Group  
5B.

Innermost petals:

Outer side: White Group 155A with  
center point Yellow Group  
5C.

15 Inner Side: White Group 155A with  
basal point Yellow Group  
5B.

20 After opening, petals:

Outermost petals:

Outer side: Red Group 52A with  
intonations of Red-Purple  
Group 67B.

25 Inner Side: Red Group 52A.

Innermost petals:

Outer side: Red Group 52A with  
intonations of Red-Purple  
Group 67B.

5 Inner Side: Red Group 52A.

After opening, basal petal spots:

Outermost petals:

10 Outer side: White Group 155A with  
basal point Yellow Group  
5C.

Inner Side: White Group 155A with  
basal point Yellow Group  
5B.

Innermost petals:

15 Outer side: White Group 155A with  
basal point Yellow Group  
5C.

20 Inner Side: White Group 155A with  
basal point Yellow Group  
5B.

General Tonality: On open flowers are Red Group  
52A to 52B with light  
intonations of Red-Purple Group  
25 67B. No change in the general

tonality at the end of the 10th day.

**Petals:**

Petal Reflex: None observed.

5      Margin:      Entire and uniform.

Shape:      Apex:      Round.

Base:      Acute to rounded.

Size:      26 to 29 mm (l) x 20 to 32 mm (w).

10      Texture:      Smooth.

Thickness:      Average to thin.

Arrangement:      Not Formal.

**Petaloids:**

Quantity:      6 to 8.

15      Color:

Upper Surface: Red Group 52A with  
intonations of Red-Purple  
Group 67B.

Lower Surface: Red Group 52A.

20      Size:      20 mm (l) x 15 mm (w).

**Reproductive Organs:**

Pistils:

Length:      5 mm.

25      Quantity: 40.

Pollen:

None observed.

Anthers:

Size: 3 mm in length.

5 Color: Greyed-Orange Group 163A.

Quantity: 50 (actual count).

Filaments:

10 Color: Yellow Group 1B at base  
with light intonations of  
Greyed-Red Group 182B.

Length: 5 mm.

Stigmas: Even relative to the  
filament length and height  
of the anthers.

15 Color: Yellow Group 7B.

Styles:

Color: Greyed-Red Group 181C.

Hips: None Observed in the field nursery in  
Jackson County Oregon.

20

#### PLANT

Plant growth: Moderate, upright to bushy. When  
grown as a budded field grown plant  
on *Rosa multiflora* understock, the  
average height of the plant is 40 to  
25 60 cm and the average width is 40 cm.

**Stems:**

Color:

- Young wood: Yellow-Green Group 144A to 146B.
- 5 Older wood: Yellow-Green Group 144A to 146B.

Surface Texture:

- Young wood: Smooth.
- Older wood: Smooth.

10 **Thorns:**

- Incidence: 11 thorns per 10 cm of stem.
- Size: Average length: 8 mm.
- Color: Greyed-Purple Group 184A.
- Shape: Deeply concave to concave.

- 15 **Plant foliage:** Normal number of leaflets on normal leaves in middle of the stem: 7 leaflets.

Compound Leaf size: 110 mm in length by 70 mm wide on average.

- 20 Color:

Mature Foliage:

- Upper surface is: Yellow-Green Group 146A.
- Lower surface is: Yellow-Green Group 146B.
- 25

Juvenile foliage:

Upper surface is: Yellow-Green  
Group 146B.

Lower surface is: Yellow-Green  
Group 146C.

5

Anthocyanin:

Location: Margins and lower surfaces  
of juvenile foliage.

Color: Greyed-Purple Group 184B.

10

Plant leaves and leaflets:

Stipules:

Size: 20 to 24 mm in length.

Quantity: 2 per compound leaf.

Margins: Finely serrated with  
medium quantity stipitate  
glands.

15

Color: Yellow-Green Group 146C.

Anthocyanin:

Location: At margins.

20

Color: Greyed-Red Group 183C.

Petiole:

Length: 45 mm.

Color: Yellow-Green Group 146B.

Underneath: Prickles stipitate glands  
observed in low quantity.

25

Rachis:

Length: 23 to 30 mm.  
Color: Yellow-Green Group 146B.  
Underneath: Prickles stipitate glands  
5 observed in low quantity.

Leaflet:

Margin: Serrated.  
Shape: Generally ovate to round.  
Apex is mucronate. Base  
10 is rounded.  
Texture: Smooth.  
Thickness: Average to thick.  
Arrangement: Odd pinnate.  
Venation: Reticulate.  
15 Glossiness: Moderately glossy.  
Leaflet Size: 30 to 35 mm (l) x 22 to 31  
mm (w).

Disease resistance:

Above average resistance to mildew, rust, black  
20 spot, and Botrytis under normal growing conditions in  
Jackson County, Oregon.

Cold Hardiness:

The variety 'POULac011' has been found to be cold  
tolerant to USDA Cold Hardiness Zone 6.